Est cost: 50 : 00 lakhs
Job code: 005-20-00000

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500702

Serial No. .....
Name of Work ...Improvement to CC Road and Drains at Agrahara Village in ward No 05
Name of Contractor of nature of Agency ...
Date of commencement of work ...

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No: BBMP/EE/BTP/WO/134/2019-20 Dt 8/11/2019						
	Head of Account: P3727 SC-SP/TSP						
	Agency: Executive Engineer. K.R.I.D.L						
	(1) Earth work Excavation by manual means in Ordinary Soil involving cost avg. Hieght up to 2m and avg lift upto 0.5m excavated surface leveled & sides neatly dressed. L/S disposed earth to be leveled neatly after breaking of clods etc.						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete						
	@ Rate 137.80/m³					Qty -	577.66 m³
						=	79602=00
	above 12½ %. Qty						211.85 m³
	@ Rate 137.80/m³						= 29193=00
(2)	Removing B.S. Slab of drain and Stacks Specifications and direction of the Engineer in Charge					Qty -	202.32 m²
	@ Rate 104.94/m²						= 21231=00
(3)	Refixing Stone Slabs of drains and pointing						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 500703

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in C.M (1:3) Specification @ Rate 111.30/m²					Qty - 202.32 m² = 22518=60	
④	providing granite slabs of Selected quality roughly dressed and fixed in C.M (1:6) including fixing curing etc and Compleate @ Rate 742/m²					Qty. 277.56 m² = 205950=00	
⑤	Construction of Rolled C-C mix 1:4:8 with 25 m.m down size graded granite metal coarse						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregate & fine aggregate base course with coarse & fine aggregate aggregate & cement ratio 12:1 & mix cement coated of 1801 kg/m³ aggregate gradation to be as per Table 600-4 after blending mixing in batching plant at optimum moisture content transporting to site laying with paver with 8-10 tonnes smooth wheeled vibratory roller to achieve 98% complete Date 3606.12/m³ Qty 122.83 m³ = 442940=00						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 500704

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	providing and Constructing granite/trap/basalt SSM in foundation with C.M 1:6 Stone hammered dressed in courses not less than 20cms high bond Stone at two m. apart in each course including cost of materials labour curing etc Complete.					Qty - 54.50 m^3	
						@ Rate 4871.76/m^3	= 263075=00
	above 12.5 m.					Qty - 46.80 m^3	
						@ Rate 4871.76/m^3	= 227998=00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	providing & Constructing Granite/trap/basalt SSM in basement- with C.M 1:6 edges of stones chisle dressed in courses not less than 15 cms high bond stones at two m apart in each course including cost of matcials labour Curing etc Complete						
	• Rate ₹ 811.98/m³					Qty - 33.75 m³	
						= 19154.00	
	Above 12 %.					Qty - 45.45 m³	
	• Rate ₹ 811.98/m³					= 26454.00	
(8)	providing & laying in position P.C.C A 2 in 1:3:6 with 20 mm & down size graded Granite metal						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 500705

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Coarse aggregate & fine aggregate M.C mixed concreate laid in layers not exceeding 15 c.m like well compacted in foundation & plinth including cost of all materials curing etc complete.						
	@ Rate 5627.54/m³					Qty- 31.33 m³ = 176311=00	
①	providing flush pointing to courses stone masonry with C.M 1:3, 20 m.m deep after raking it's to depth & 20 m.m nicely Lining including cost of materials labour curing etc complete.						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rate 149.46/m³				Qty-	75.00 m³	
						= 11209 = 00	
	above 25%.				Qty	97.80 m³	
	@ Rate 149.46/m³					= 14617 = 00	
10	providing & constructing pre cast- concreate solid blocks with compressive strength not less than 35 kg/m² with C.M 1:4 masonry with solid concrete blocks of size 40x20x20 cms in superstructure including cost & materials labour charges scaffolding curing etc complete						
					Qty-	33.96 m²	
	@ Rate 966.72/m²					= 32830 = 00	

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500706

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(11)	precast & lab- ing centering laid in layers complates cost of all materiens cost of materials	20 mm & down size for slab including & shuttering m/c mixed concreate not exceeding 15 c.m like well curing complete 10 c.m like etc complete				Qty - 6469 m^2 = 135874=00	
	(a) Rate 2100/m^2						
(12)	providing & size granite	laying c.c using ready				20 mm & down mixes for R.C.C	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work laid in 150 mm thick layers & well compacted vibrating curing finishing with necessary form work & scaffolding to withstand pumping & concrete with all lead & lift etc complete						
	@ Rate 5770.64/m³					Qty - 46.90 m³	= 270643.00
(13)	providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specifications complete						
	@ Rate 126.14/m²					Qty - 100.00 m²	= 12614.00

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 500707

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Vacuum De-watering with vacuum pump and suction mat & compaction with 51cm flutter dubbed with floating disc including cost of generator HOM of machinery power float blade & use with all load & lift etc complete.				Qty - 489.01 m^2		
	@ Rate 72.08/m^2						= 33806=00
(15)	loading & unloading of stone boulders by manual means etc complete				Qty - 577.16 m^3		
	@ Rate 60.42/m^3						= 34902=00
					Qty - 211.85 m^3		= 12800=00
	Above 125%. @ Rate 60.42/m^2						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
E1	providing & laying P.C.C Mix 1:3:6 Lilt Crushes 40 mm & down size graded granite metal (coarse & fine aggregate in foundation by mechanically mixes plates in foundations Compacted by vibration including Curing for 14 days including curing etc Complete					97% 18.72 m^3 @ Rate 5421-90/m^3	= 101498=00
E2	providing laying plain/reinforced C-C for side drains using M10 nominal mix concrete with						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 500708

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	20m.m & down size granite metal Coarse aggregate M1C mixes well compacted for wall & Bottom & Down size granite metal including shuttering Cost of materials HOM & machinery Curing etc Complete @ Rate 7070.20/m³ Qty. 32.28 m³ = 228226=00						
E3	providing T.M.T Steel reinforcement work including straightning Cutting. bending hooking placing in position lapping & welding wherever for R.C.C						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	required tying with binding wire & anchoring to the adjoining members wherever necessary etc complete						
						Qty 2.42 Tonne	
	@ Rate 75223.96/Tonne						= 182042=00
5/5/20						Total =	4222896=00
C & R Raghuvir 5/5/2020						For 12% CST =	506747=00
						For 3% KRIDL charges =	126687=00
						Labour Cess 1% =	42229=00
						Total Amount	4898559=00

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 500709

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

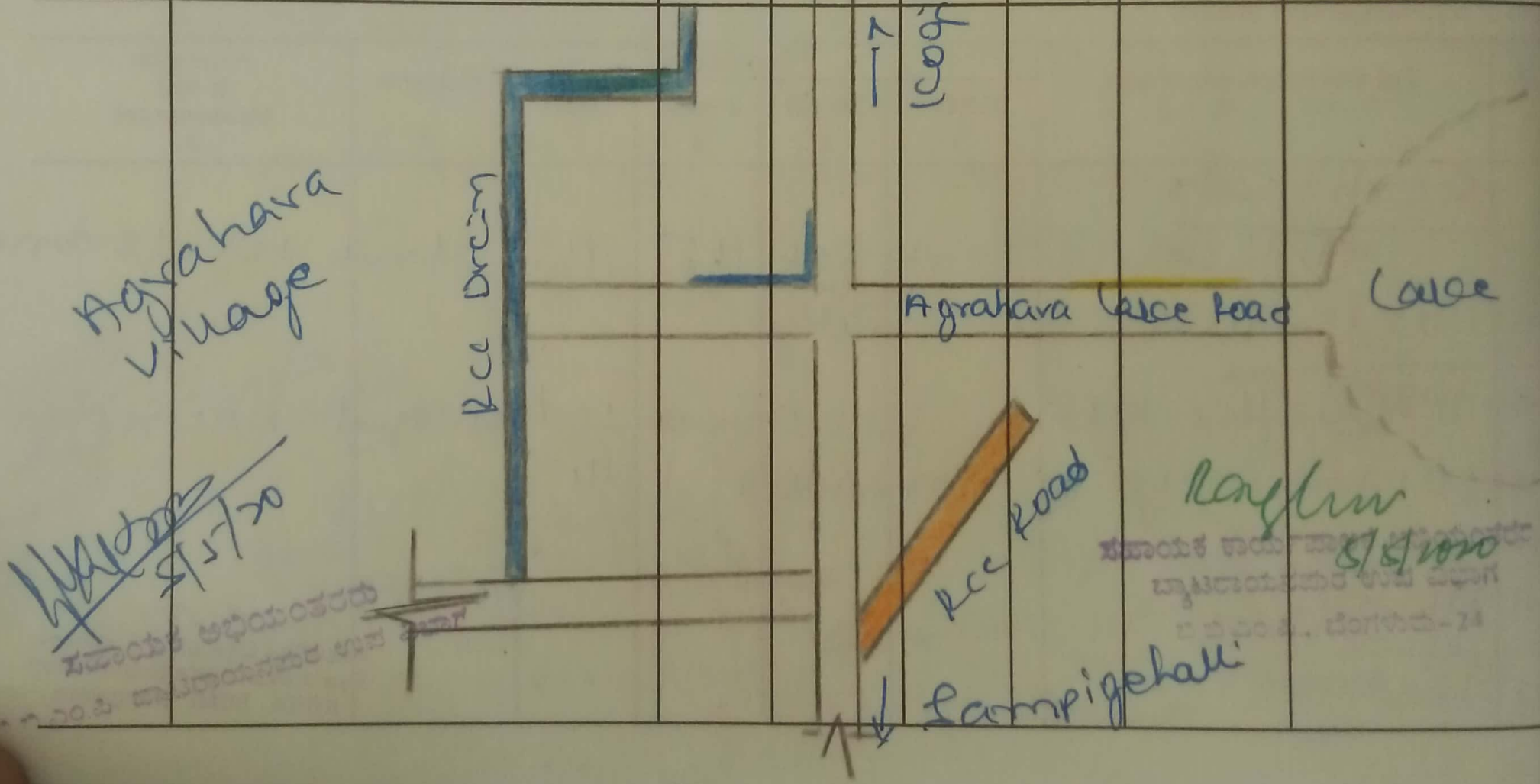
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate: ① This is certified that the above work done satisfactorially. ② The above Bill amount has not been paid any of previous bills. 15/5/20 Raghu 7/5/2020						2005-06

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Scanned by CamScanner